

DETAILED PROGRAMME

11 th NOVEMBER 2019 - PRE-CONGRESS		
TIME	AGENDA	
1700 – 1900	PRE-REGISTRATION / POSTER AND BOOTH SETUP	
DAY 1: 12 th NOVEMBER 2019		
TIME	AGENDA	
0800 – 0900	REGISTRATION / POSTER SETUP	
0900 – 0930	OPENING CEREMONY – Seri Negeri Ballroom III	
0930 – 0945	PHOTOGRAPHY SESSION	
0945 – 1030	COFFEE BREAK / POSTER VIEWING & JUDGING	
	Venue: Seri Negeri Ballroom III Chairperson: Prof. Dr. Rosfarizan Mohamad	
1030 – 1115	KEYNOTE ADDRESS 1: Beyond traditional antimicrobials: A whole animal model for discovery of novel anti-infectives Prof. Dr. Sheila Nathan (<i>Universiti Kebangsaan Malaysia</i>) MSM Award Recipient	
1130 – 1230	44 th MSM Annual General Meeting	
1230 – 1400	LUNCH	
	Venue: Seri Negeri Ballroom II	Venue: Seri Negeri Ballroom III
1430 – 1500	Conference Session I: GENERAL MICROBIOLOGY 1 Chairperson: Assoc. Prof. Dr. Mas Jaffri Masarudin	Conference Session II: INDUSTRIAL MICROBIOLOGY Chairperson: Assoc. Prof. Dr. Farah Diba Abu Bakar
	Plenary 1 Discovery, development, and engineering of microbes and enzymes for conversion of renewable resources to biofuels and biochemical in biorefinery Dr. Verawat Champreda (BIOTEC, Thailand)	Plenary 3 From fatty acids to flavors and fragrances with enzymes and microbes Dr. Margit Winkler (Graz University of Technology, Austria)

1500 – 1520	GM01 The persistence of a ST239-MRSA-III lineage over two decades in Malaysia Assoc. Prof. Mohd Nasir Mohd Desa <i>(Universiti Putra Malaysia)</i>	IM01 Improving industrial biocatalysts performance via enzyme immobilisation and protein engineering synergisms Dr. Nardiah Rizwana <i>(Universiti Teknologi Malaysia)</i>
1520 – 1540	GM02 Expression and assembly of L1 capsid protein of avian papillomavirus like particles in <i>Escherichia coli</i> Nurulhuda Najihah Zainal Abidin <i>(Universiti Putra Malaysia)</i>	IM02 Towards understanding substrate specificity of carboxylic acid reductase enzyme Jonathan Ling <i>(Universiti Kebangsaan Malaysia)</i>
1540 – 1555	COFFEE BREAK	
1600 – 1630	Plenary 2 International health regulation implementation in Malaysia: Laboratory biosafety and biosecurity Prof. Dr. Sazaly Abu Bakar <i>(Universiti of Malaya)</i>	Plenary 4 From fields to fuels: Engineering yeasts to convert agricultural wastes into biofuels Dr. Weerawat Runguphan <i>(BIOTEC, Thailand)</i>
1630-1700	Rapid Oral Session 1 RO01 Assoc. Prof. Dr. Nazlina Ibrahim <i>(Universiti Kebangsaan Malaysia)</i> RO02 Dr. Zurin Azlin Md. Jinin <i>(Veterinary Research Institute)</i> RO03 Cheong Jia Lei <i>(Universiti Malaysia Terengganu)</i> RO04 Faiz Padzil <i>(Universiti Putra Malaysia)</i> RO05 Dr. Suhaila Mohd. Omar <i>(International Islamic University of Malaysia)</i>	Rapid Oral Session 2 RO06 Nur Atirah Syahira Rosli <i>(Universiti Malaysia Terengganu)</i> RO07 Dr. Sylvia Chieng <i>(Universiti Kebangsaan Malaysia)</i> RO08 Patricia Jayshree Jacob <i>(Nilai University)</i> RO09 Dr. Nurul 'Izzah Mohd Sarmin <i>(Universiti Teknologi MARA)</i>
1700 – 1800	POSTER VIEWING & JUDGING	

DAY 2: 13 th NOVEMBER 2019		
0900 – 0945	Venue: Seri Negeri Ballroom III Chairperson: Prof. Dr. Vikineswary Sabaratnam	
	KEYNOTE ADDRESS 2: Towards an HIV cure and a world without AIDS Prof. Dato' Dr. Adeeba Kamarulzaman (<i>University of Malaya</i>)	
	ASM Promotional Slot Prof. Dr. Kalaivani Nadarajah	
0945 – 0955		
1000 – 1020	COFFEE BREAK / POSTER VIEWING & JUDGING	
	Venue: Seri Negeri Ballroom II	Venue: Seri Negeri Ballroom III
	Conference Session III: FOOD MICROBIOLOGY Chairperson: Assoc. Prof. Dr. Khalilah Abdul Khalil	Conference Session IV: ENVIRONMENTAL MICROBIOLOGY & AFOB ENVIRONMENTAL BIOTECHNOLOGY Chairperson: Prof. Dato' Dr. Mohd Ali Hassan
1030 – 1100	Plenary 5 Antioxidant and antiinflammatory properties of various parts of tiger milk mushroom <i>Lignosus rhinocerotis</i> (Cooke) Ryvarden Prof. Dr. Vikineswary Sabaratnam <i>(Universiti of Malaya)</i>	Plenary 6 Bacterial survival game in methane fermentation using waste sewage sludge: Impact of social cheater-like bacteria and bacterial quorum sensing Assoc. Prof. Dr. Toshinari Maeda <i>(Kyushu Institute of Technology, Japan) (AFOB)</i>
1100 – 1120	FM01 D-lactic acid, monomer from agricultural biomass fermentation for thermostable polylactic acid (PDLA) production Dr. Nurul Aqilah Mohd Zaini <i>(Universiti Kebangsaan Malaysia)</i>	EM01 Bioindicators for monitoring and management of river water pollution due to palm oil mill effluent final discharge Assoc. Prof. Dr. Norhayati Ramli <i>(Universiti Putra Malaysia) (AFOB)</i>
1120 – 1140	FM02 Evaluation and comparison of the toxicity of fermented coconut beverages, using brine shrimp test Olaide Ajibola <i>(Universiti Malaysia Sarawak)</i>	EM02 Multigene phylogeny of tropical <i>Cantharellus</i> (Basidiomycota, Cantharellaceae) from Sabah (Northern Borneo), Malaysia Dr. Jaya Seelan Sathiya Seelan <i>(Universiti Malaysia Sabah)</i>

1140 – 1200	FM03 Next generation nutrients (yeast peptones) and their utilisation for manufacturing industrially relevant probiotics Saiful Fazulul Haq <i>(Procelys by Lesaffre)</i>	EM03 Decolourisation of triphenylmethane dyes by soil actinobacteria Nurul Hidayah Adenan <i>(Monash University Malaysia)</i>
1200 – 1220	Rapid Oral Session 3 RO10 Najihah Abdul Halim <i>(Universiti Malaysia Terengganu)</i> RO11 Yap Ling Sze <i>(Monash University Malaysia)</i> RO12 Fauqa Arinil Aulia <i>(Indonesian Clinical Pathologist and Laboratory Medicine)</i> RO13 Diajeng Sekar Adisuri <i>(Taylor's University)</i>	EM04 Preliminary insights into the metagenomics of Kuala Lumpur train stations Dr. Nur Hazlin Hazrin-Chong <i>(Universiti Kebangsaan Malaysia)</i>
1230 – 1400	LUNCH	
	Venue: Seri Negeri Ballroom II Conference Session V: GENERAL MICROBIOLOGY 2 Chairperson: Assoc. Prof. Dr. Geok Yuan Annie Tan	Venue: Seri Negeri Ballroom III Conference Session VI: MICROBIAL OMICS AND MOLECULAR BIOLOGY Chairperson: Assoc. Prof. Dr. Chia Suet Lin
1430 – 1500	Plenary 7 Streptomycetaceae, a peculiar group of prokaryotes Prof. Dr. Seung Bum Kim <i>(Chungnam National University, South Korea)</i>	Plenary 8 <i>Pseudomonas resinovorans</i> CA10dm4 shows insensitivity to various plasmids: Its role in the host genome evolution Prof. Dr. Hideaki Nojiri <i>(University of Tokyo, Japan)</i>
1500 – 1520	GM03 (Invited) Functional peptide: Its full potential and application Dr. Shinya Ikeno <i>(Kyushu Institute of Technology, Japan)</i>	MOMBO1 Whole Genome Sequence analyses of a <i>Mycobacterium tuberculosis</i> strain SBH321 from Sabah, Malaysia, belongs to Ural family of lineage 4 Prof. Dr. Kamruddin Ahmed <i>(Universiti Malaysia Sabah)</i>

1520 – 1540	GM04 Exploring the antimicrobial potential of biosurfactant: Strategies to combat ESKAPE pathogens Dr. Wan Syaidatul Aqma (Universiti Kebangsaan Malaysia)	MOMBO2 Targeting bioactive and novel compounds of the lichen <i>Usnea</i> and its endolichenic fungi using LC-MS-based metabolomics Krystle Angelique Santiago (Monash University Malaysia)
	Technical Talk Fight against antimicrobial resistance by ThermoFisher	MOMBO3 <i>cyp51A</i> and ABC transporter genes associated with azole resistance in <i>Neocosmopora keratoplastica</i> Jasper Elvin James (Universiti Kebangsaan Malaysia)
1550 – 1610/ 1600 – 1620	Rapid Oral Session 4 RO14 Carumathy Chandran (Universiti Putra Malaysia) RO15 Muhamad Yusuf Hasan (Universiti Putra Malaysia) RO16 Ahmad Aiman Zulkifli (Universiti Putra Malaysia) RO17 Jaeyres Jani (Universiti Malaysia Sabah)	MOMBO4 Exploring the genome of <i>Lactarius</i> mushroom to gain insight into the genetics of rubber biosynthesis Goh Jia Ean (UCSI University)
	TEA BREAK / POSTER VIEWING & JUDGING	
	ANNUAL DINNER	
	DAY 3: 14th NOVEMBER 2019	
	0900 – 0945	Venue: Seri Negeri Ballroom III Chairperson: Assoc. Prof. Dr. Jacinta Santhanam
KEYNOTE ADDRESS 3: Antifungal drug resistance – threats and therapies Prof. Dr. Richard Cannon (University of Otago, New Zealand)		
Venue: Seri Negeri Ballroom II Conference Session VII: AGRICULTURAL MICROBIOLOGY Chairperson: Prof. Dr. Kalaivani Nadarajah		Venue: Seri Negeri Ballroom III Conference Session VIII: MEDICAL MICROBIOLOGY Chairperson: Dr. Saila Ismail

0945 – 1015/ 0945 – 1005	Plenary 9 Heat shock proteins: A potential alternative for Vibriosis in aquatic organisms Prof. Dr. Yeong Yik Sung (Universiti Malaysia Terengganu)	MM01 Bacterial membrane permeability alteration of carbapenemase producing <i>Klebsiella pneumoniae</i> via oxidative stress induction by lavender essential oil Moo Chew Li (Universiti Putra Malaysia)
1015 – 1030/ 1005 – 1020	COFFEE BREAK	
1030 – 1050/ 1020 – 1040	AM01 Synthesis of <i>in vitro</i> protein expression system expressing Murine polyomavirus-like particles with outer membrane protein of <i>Pasteurella multocida</i> for future application as livestock vaccine Dr. Siti Nor Khadijah Addis (Universiti Malaysia Terengganu)	MM02 <i>Diutina (Candida) rugosa</i> biofilms: Bio-chemical profiling and effect of amphotericin B, caspofungin, fluconazole and voriconazole on biofilm architecture Sri Raja Rajeswari Mahalingam (Taylor's University)
1050 – 1110/ 1040 – 1100	AM02 Nuclear Technology in commercialisation of biofertilizer Phua Choo Kwai Hoe (Agensi Nuklear Malaysia)	MM03 Characterisation of the combinatorial effects of fluoroquinolone resistance mechanisms in <i>Klebsiella pneumoniae</i> and successful prediction of resistance in clinical isolates Dr. Wan Nur Ismah Wan Ahmad Kamil (Universiti Putra Malaysia)
1110 – 1130/ 1100 – 1120	AM03 Antioxidative activities of the orchid, Phalaenopsis hybrid in response to <i>Rhizoctonia solani</i> infection Dr. Norhayati Yusuf (Universiti Malaysia Terengganu)	MM04 Tailoring microbial polymer P(3HB-co-4HB) nanofiber immobilised with RGD peptide as potential cardiac patch Dr. Vigneswari Sevakumaran (Universiti Malaysia Terengganu)
1130 – 1150/ 1120 – 1150	AM04 Whole genome phylogenetic analysis of sporadic human <i>Brucella melitensis</i> cases in Malaysia Jama'ayah Zahidi (Institute for Medical Research)	Plenary 10 Human leptospirosis in Malaysia: A neglected disease? Still neglected? Prof. Dr. Zamberi Sekawi (Universiti Putra Malaysia)
1200 – 1230	AWARD PRESENTATION AND CLOSING CEREMONY Seri Negeri Ballroom III	
1230 – 1330	LUNCH	